

**PATIENT PRESENTING CLINICAL SIGNS**

Gotham Velazquez History: Suspected pyometria.

**SPECIES** Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: Marked leukocytosis.

**BREED** Serum Biochemistry: Normal.

Chihuahua Mix Radiographic Findings: N/A.

**SEX**

Female

**AGE**

10 years

**WEIGHT**

10.5 #

**INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD, Dipl.  
ECVIM

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal thickness and appearance of the wall. Moderate amount of floating hyperechoic sediment. No uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 3.1 cm, right 3.5 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and pelvis.

**Reproductive System**

Not visualized.

**Adrenal Glands**

Normal size, shape, position, and echogenic appearance.

**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

Normal size, echogenic appearance, and some loss of portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal echogenic and thickness of the gall bladder wall. Normal bile duct.

**Gastrointestinal**

Normal appearance of the pylorus, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and no lumen distension. Small amount of fluid within the stomach.

**INVOICE**

302534

**DATE**

8/31/21

**IMAGING PERFORMED BY**

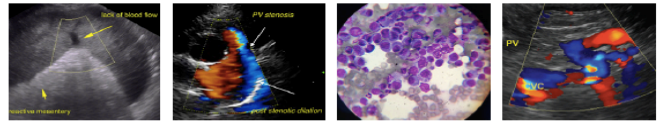
Evanna

**HOSPITAL NAME**

Animal Care Clinic of  
Flanders

**REFERRING VET**

Dr Casuli



**PATIENT** *Pancreas*

Gotham Velazquez Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES** *Free Abdomen*

Canine No mesenteric lymphadenomegaly.  
No ascites.

**BREED**

Chihuahua Mix

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Urinary bladder sediment.
- Age-related renal disease.

**SEX**

Female

**AGE**

10 years

Secondary Findings:

- None.

**WEIGHT**

10.5 #

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the urinary bladder sediment would be bacterial cystitis, sterile cystitis, and crystalluria.

Although the appearance of the kidneys is typical for age-related changes, early chronic kidney disease and ascending bacterial nephritis needs to be considered.

Although there is no obvious pyometria evident, metritis and endometritis would still be possible diagnoses.

Further assessment would be urinalysis, urine culture, SDMA, and thoracic radiographs, the latter to rule out intra-thoracic pathology causing the leukocytosis.

Specific therapy would be dependent on an etiological diagnosis.

**INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD, Dipl.  
ECVIM

**IMAGING PERFORMED BY**

Evanna

**HOSPITAL NAME**

Animal Care Clinic of  
Flanders

**REFERRING VET**

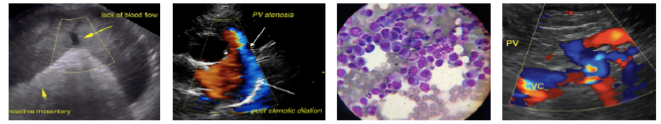
Dr Casuli

**INVOICE**

302534

**DATE**

8/31/21



**PATIENT**

Gotham Velazquez

**SPECIES**

Canine

**BREED**

Chihuahau Mix

**SEX**

Female

**AGE**

10 years

**WEIGHT**

10.5 #

**INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD, Dipl.  
ECVIM

**IMAGING PERFORMED BY**

Evanna

**HOSPITAL NAME**

Animal Care Clinic of  
Flanders

**REFERRING VET**

Dr Casuli

**INVOICE**

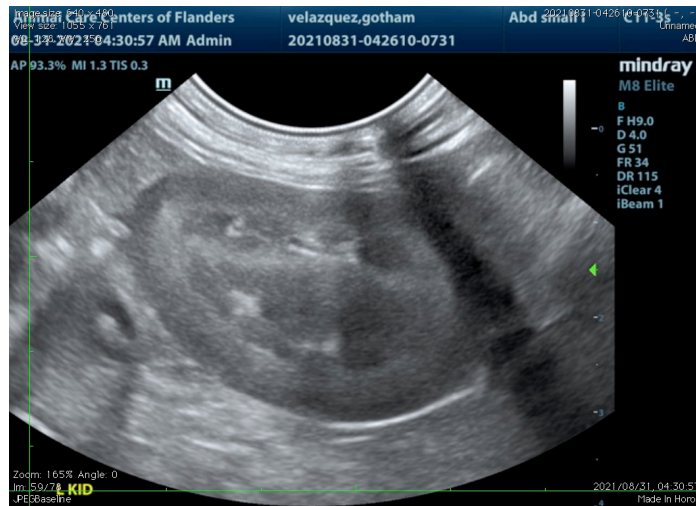
302534

**DATE**

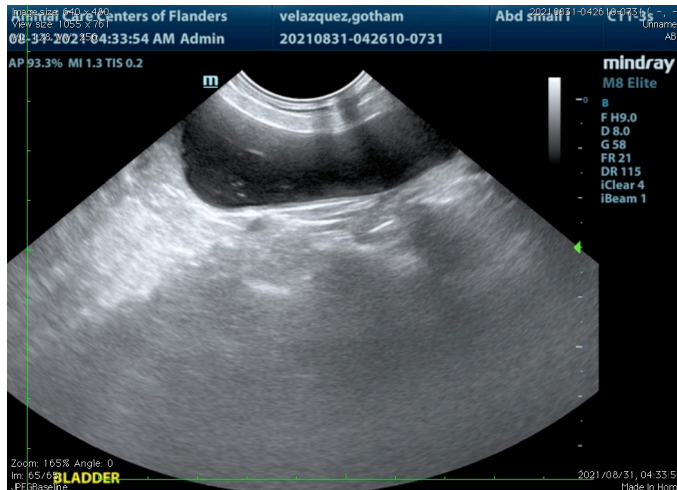
8/31/21

**IMAGES**

**Kidney**



**Urinary bladder**



The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

**Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)**  
[rlobetti@mweb.co.za](mailto:rlobetti@mweb.co.za)